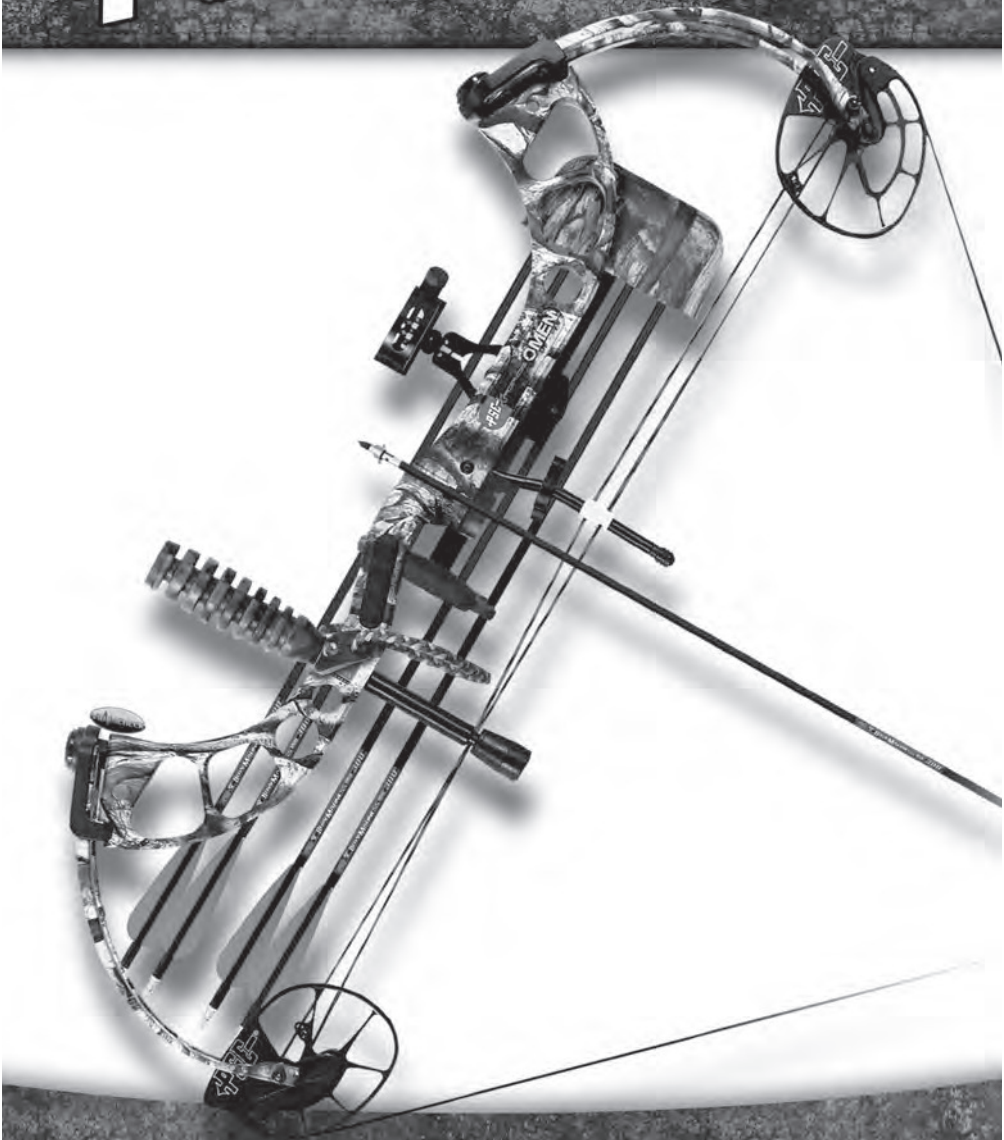
PSE®

COMPOUND BOW USER'S GUIDE



PRECISION SHOOTING EQUIPMENT, INC.

Thank you from the entire PSE family for purchasing a PSE bow! Your PSE bow was manufactured from the finest materials available and handcrafted with pride in the USA. With proper care you will enjoy the use of this product for years to come.

Please read this entire booklet before shooting or adjusting your bow. Remember, many adjustments to a compound bow require the use of a bow press. Whenever shooting a bow, be certain of your target as well as what else lies downrange.

GENERAL OPERATING INSTRUCTIONS

- Always inspect your bow thoroughly before each shooting session to insure that it is in good working order. Check for worn or missing components and have them replaced at an authorized PSE dealer as required, i.e. bushings, spacers, etc.
- Inspect your arrows to insure that they are straight, undamaged and that each nock is in good condition. A cracked nock can break when fired from the bow and cause the bow to "dry fire" resulting in possible injury to the archer and damage to the bow. Dry-firing is drawing and releasing the bowstring without an arrow on the string.
- When purchasing arrows for your bow, consult the selection chart from the arrow manufacturer and select the correct arrow for your application. Always use an arrow that is at least 5 grains per pound of peak bow weight. Failure to do so could cause personal injury and damage to your bow.

BOW MAINTENANCE

Your PSE bow will give you many years of use if maintained and cared for properly.

IMPORTANT: Before servicing any PSE bow in a bow press, back out each limb bolt 4 complete turns from bottomed position.

- Keep synthetic cables and strings waxed. Apply bow string wax to your synthetic cables and string before each shooting session.
- Strings and cables must be replaced periodically. A worn cable or string can suddenly break causing serious injury to the archer and damage to the bow. It is recommended that the string and cables be replaced at least every 5,000 shots or 12 months.
- Always store your bow in a cool dry place. High temperatures, such as those that can occur in the interior of a vehicle, can cause serious damage to your bow.
- After use in high humidity or damp conditions, wipe metal components of bow with a light oil.

SAFETY

As with any weapon, safe operation of your PSE bow must always be the highest priority. ALWAYS WEAR SAFETY GLASSES WHEN HANDLING A BOW.

Do not attempt to use your bow without proper instruction. Doing so can result in serious injury.

a. Never "dry-fire" any bow. Dry-firing is drawing and releasing the bowstring without an arrow on the string. Dry-firing will likely cause damage to the bow and serious injury to the archer.

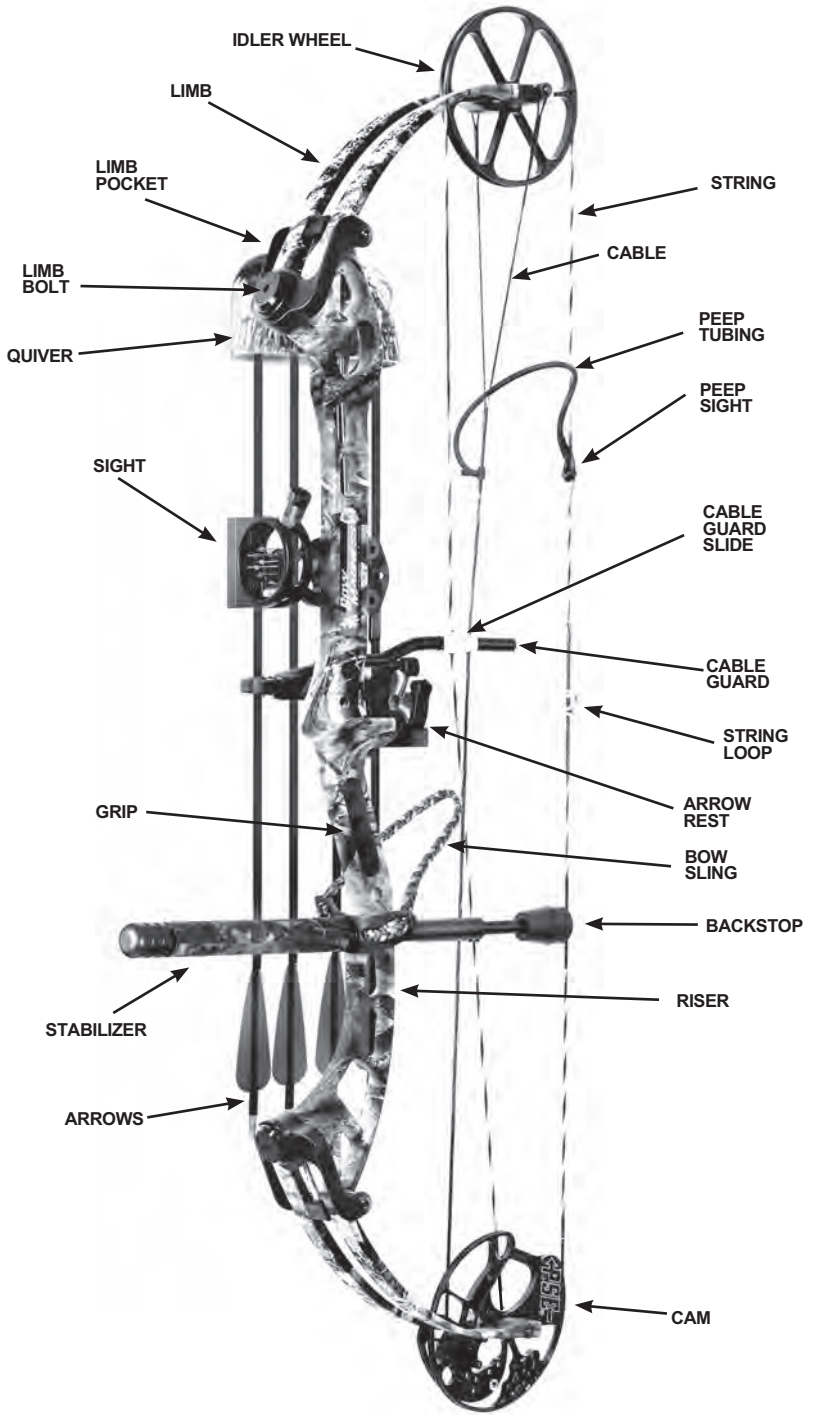
b. Always be sure of your intended target as well as what lies behind the target area. An arrow can travel a considerable distance, so it is important to have a safe and sound backstop.

c. If you draw a bow and need to let it down, do so in a slow and careful manner. Keep your support arm straight and prepare for a rapid and violent let-down. Avoid hitting your hand on protruding accessories such as the cable guard or quiver. Keep your head and face back and out of danger during let-down. Never draw a bow with a peak weight above your comfort level. Always use a bow sling when drawing a bow.

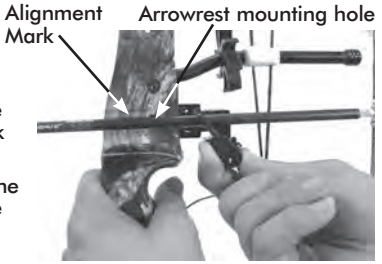
d. Never modify any part of the bow or its components by drilling extra holes or removing material. This voids the warranty and presents safety problems.

e. It is not recommended to time the bow using a draw board unless the draw board is operated by a winch or other mechanical pulling device.

BOW TERMINOLOGY



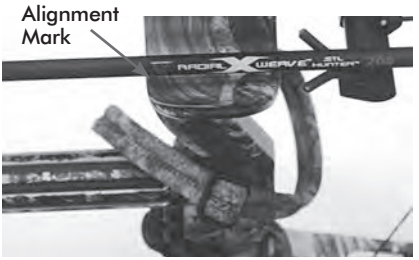
SETTING-UP YOUR BOW



NOCKING POINT PLACEMENT:

Finger shooters: Install the nocking point so that the arrow passes the center of the arrowrest mounting hole and runs slightly point-down relative to the tuning mark on the window of the bow.

Release Aid shooters: Install the nocking point so that the arrow passes the center of the arrowrest mounting hole and runs parallel to the tuning mark on the window of the bow.

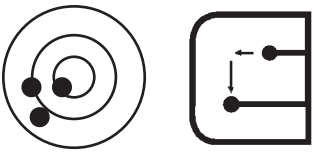


ARROWREST ADJUSTMENT:

When shooting with a release aid, the in/out position of the arrowrest should be adjusted so that the arrow runs parallel with the tuning mark on the shelf when viewed from above. When shooting with fingers the arrow should point slightly outside the tuning mark on the shelf.

SIGHT ADJUSTMENT:

When adjusting the sight pin locations, always remember to "follow the group". That is, if the shot group is to the left of the target, move the sight pins to the left. If the shot group is low, move the sight pins down.



CABLE GUARD ADJUSTMENT & INSTALLATION:

Install the cable guard as shown in Figure A. Adjust the cable guard so the cables just clear the arrow vanes. On bows using an offset cable guard rod, adjustments must be done with the rod in the up position (approximately 1 o'clock) as shown in Figure B (11 o'clock for left handed bows). Over-rotating an adjustable cable guard creates excessive arrow clearance and may cause the cable to track incorrectly on the wheels and cause personal injury and/or damage to the bow.

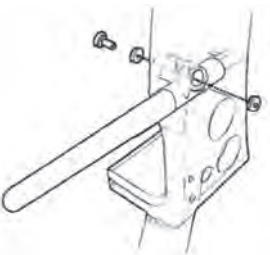


Figure A

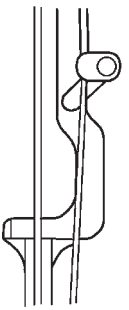
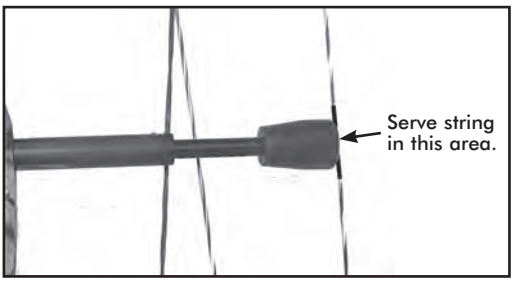


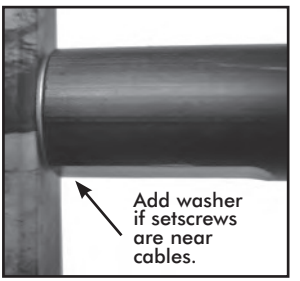
Figure B

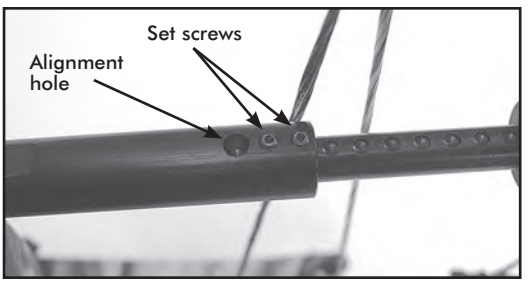
BACKSTOP™ INSTRUCTIONS

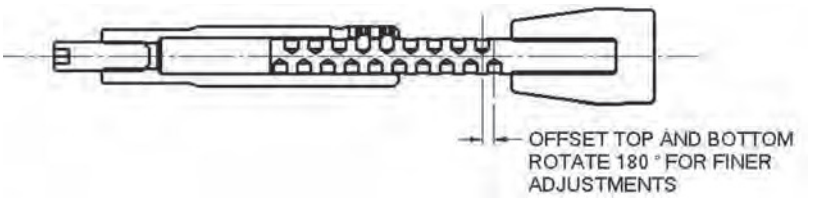
Note: Many PSE bow models come from the factory with the Backstop™ installed. These instructions refer to reinstallation or adjustment if needed after making adjustments to your PSE bow.

1. Remove the setscrews from the base using a 1/16" hex wrench.
2. Install the Backstop™ into the threaded hole below the grip on the string- facing side of the bow.
3. Extend the Backstop™ until it makes contact with the string. Mark the string ¼" above and ¼" below where it makes contact with the string. Remove the Backstop™ and add serving to that area of the string. Reinstall the Backstop™.
4. To avoid any possibility of the cables striking the setscrews, the setscrews must be facing away from the cables. If they are not, remove the Backstop™ base, add the washer provided and reinstall the Backstop™ base as shown.
5. Securely tighten the base to the bow handle.
6. Extend rod from base until rubber stopper contacts the string. Rotate rod until the indentation in the rod closest to the alignment hole (see picture) can be identified. Rod should be rotated 180° and the rod/stopper lightly pushed into the string until the next available indentation is visible (Detent holes are offset – see picture below). Install the setscrews to secure rod in this position. Tighten setscrews.









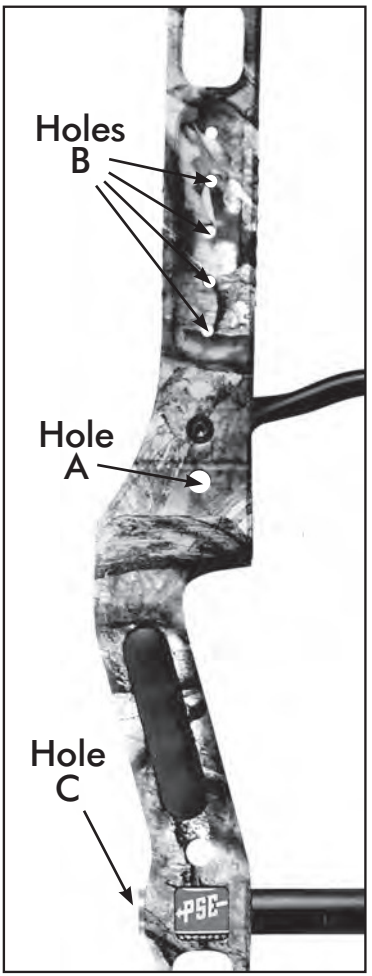
INSTALLATION OF ACCESSORIES

Arrowrest/Overdraw: The arrowrest or overdraw should be installed according to the instructions received with the product. It is usually mounted to the riser in the threaded hole on the side opposite the shelf (hole "A") using the hardware provided with the arrowrest or overdraw.

Sight: The sight should be installed according to the instructions received with the product. It is usually mounted to the riser in the threaded holes (holes "B") on the side opposite the shelf using the hardware provided with the sight. Some bows are equipped with multiple sight mounting holes which allow the sight to be moved up or down.

Stabilizer: The stabilizer should be mounted according to the manufacturer's recommendation. It is usually mounted in the threaded hole on the front of the riser (hole "C").

Bow Sling: The bow sling attaches to the riser of the bow generally with the stabilizer. If a stabilizer is not used, attach the sling to the riser with the correct sized bolt using the hole provided for the stabilizer (hole "C").



OTHER ADJUSTMENTS

Draw Weight: Your bow is factory-set to within 2 lbs. of the peak draw weight indicated on the label on the lower limb of the bow. Changes in draw weight can be made by turning the limb bolt in or out. Before making any changes in weight, turn the limb bolt clockwise to the bottom position. Never use extreme torque when turning the bolt or damage to the limb may occur. The limb bolt then may be turned counterclockwise to obtain the desired weight, but NEVER more than 4 turns or revolutions. Adjust each limb exactly the same. CAUTION: On some bow models, the limb bolt locking screw MUST be loosened BEFORE adjusting.

Wheels/Cams: Many PSE wheels and cams have adjustable features. Each one comes from the factory set-up and ready to use but there may be occasions where you need to adjust the characteristics of your bow. In some cases you will need a PSE Tune Chart to determine what to adjust, and you may need to see a PSE Dealer for information. If you are not sure of the adjustment you are making, stop and see your PSE Dealer for assistance. In many cases, an appropriate bow press will be needed to make adjustments to cams and wheels. If you do not have an appropriate press, see your PSE Dealer.

Your Authorized PSE Dealer is supplied with technical information on PSE bows and cams.

Please see your Dealer for assistance when making these adjustments.

CAM ADJUSTMENTS

CAM ORIENTATION:

On cams with orientation marks, a reference mark is found to indicate an approximate orientation. This line is for reference only and is meant to give approximate orientation only and may vary between bow models. The orientation of the cams may be changed slightly by twisting or untwisting the string or cable. If attaching the string to the "+" or the "-" post, the orientation marks will not be aligned with the cable.

DRAW LENGTH:

ALL MODULAR CAMS (EXCEPT SU CAM)

To change the draw length in 1" increments, the module must be changed. See your local PSE dealer for information on how to obtain a replacement module. NOTE: some modules can be changed without a bowpress. Top and bottom modules must be the same size designation (the physical size may vary) and draw stop position must correspond.
For minor changes in draw length, the bow must be placed in a suitable bow press and tension relieved from the string and cable. The string side of the cam may have additional posts. Moving the string from the post with the dot to the post with the "+" will increase draw by approximately ¼". Moving the string from the post with the dot to the post with the "-" will decrease draw by approximately ¼".

ALL INNER CAMS:

The inner cam system allows draw length adjustments over a prescribed range without putting the bow in a bowpress. There are two types of inner cam systems: discrete setting inner cams and fully adjustable inner cams.

Discrete setting inner cams have the adjustment screws going through a specific hole in the inner cam and threading into the cam. The screws need to be completely removed to make adjustments. The "A" setting is the longest draw length for that bow and draw lengths get shorter as you progress down the alphabet (A to B, B to C, etc.)

Fully adjustable inner cams have the adjustment screws sliding in a track. This allows for a half inch setting on the inner cam. To make adjustments, loosen both of the adjustment screws (screws with the lock washers) 2 full turns. Rotate the inner cam until the 3 marks (one on the inner cam, one on each side of the inner cam slot) are aligned with one another. A straight edge can help to accurately set the alignment. The "A" setting is the longest full inch draw length for that bow (there may be a half inch setting longer than "A") and draw lengths get shorter as you progress down the alphabet (A to B, B to C, etc.)

In cases where there is an inner cam on both the top and bottom cam, both cams must be set in the same letter position for the bow to tune and shoot properly. In cases where there is a separate draw stop, the draw stop must be moved to the hole marked with the letter corresponding to the inner cam setting.

STOP ADJUSTMENTS:

DRAW STOP:
The position of the draw stop must match the size of the module. For example, if the cam is equipped with a number 7 module, the draw stop must be placed in one of the draw stop holes marked with a "7". If the inner cam is in the "B" setting, the stop must be in the "B" position. Certain hybrid cams have top and bottom stops. They can be shot with both stops for a harder "wall" or with only the top stop for a softer "wall". Never shoot hybrid cams with the two stop option with only the bottom stop. In either case, the stops need to be in the holes marked with the same marking as the inner cam setting. The Ultra Fast (UF) hybrid cam system has two valley settings-long and short. When using top and bottom stops for a hard "wall" both stops need to be in the same hole designation-long or short.

LET-OFF:
Let-off adjustment is part of the draw stop. To adjust from higher to lower let-off, remove the draw stop from the higher let-off hole and reinstall it in the lower let-off hole of the corresponding module number. For example, if the cam is equipped with a number 7 module the stop must be reinstalled in the hole marked "7" in the row marked with the lower let-off setting. Changing to lower let-off will shorten the draw length a small amount.

STAGE 3™:

DRAW LENGTH: The draw length is adjusted by placing the bow in an appropriate bow press and relieving the tension from the string and cables. Move the string to the slot that will shorten the effective length of the string to shorten the draw length by ½" per wheel. Move the string to the slot that will lengthen the effective length of the string to lengthen the draw of the bow by ½" per wheel.

SERVICING BOWS WITH PSE UF CAMS

CAUTION CAUTION CAUTION CAUTION

When servicing bows with PSE UF cams, such as the OMEN, it is important to use a bow press that has enough clearance for the cams.

On some bow presses the cams may make contact with the area shown in Figure 1 when compressing the limbs. Watch very carefully as the bow is compressed. If either cam comes in contact with the bow press, STOP IMMEDIATELY or permanent damage to bow components may occur.

Contact the bow press manufacturer for further information.

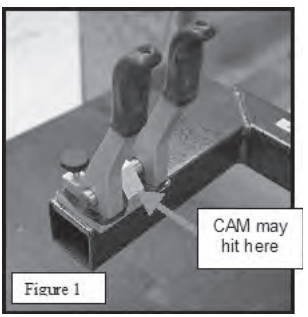


Figure 1

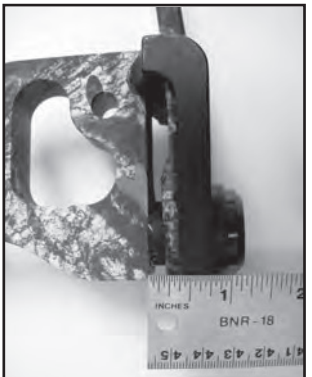
DRAW WEIGHT ADJUSTMENTS

PSE has two types of pocket systems: hard stop pockets and vibration damper pockets.

Hard stop limb pockets have a "bottomed" position to determine peak weight. This position is where the limb, pocket and riser contact one another and cannot be adjusted further.

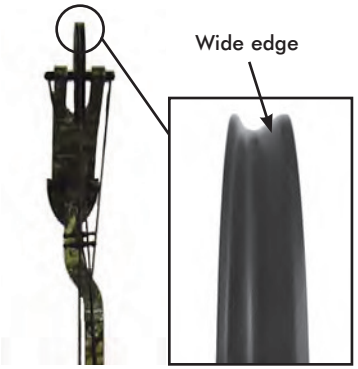
Vibration damper pockets have rubber in between the limb and pocket and the riser. The "bottomed" limb position is **NOT** when the limbs contact the riser. The bottomed position for vibration damper pockets is where the bottom surface of the limb is approximately .20" (3/16" or 5 mm) away from the riser. The limb bolt may be adjusted to slightly increase the draw weight, but the gap between the limb and riser must never be less than 0.15" (4 mm).

IMPORTANT: Do not "bottom" the limbs against the riser on a bow equipped with vibration damper pockets!



Example of vibration damper pocket. Under-limb pad removed for clarity.

ASYMMETRIC IDLER



Some PSE bows are equipped with a special asymmetric idler wheel, which is assembled on the top limb. It is essential that the idler be oriented properly. The wide edge of the idler always goes to the cable guard side of the bow. The illustration shows the proper orientation of the idler for a right-handed bow when viewed while holding the bow as it is shot.

VIBRACHECK™ HUSH KIT ACCESSORIES

If your bow is equipped with limb bands, the proper placement of the bands is approximately 1/8" beyond the limb fork.

If your bow is equipped with a Cable Guard Damper it should be even with the cable slide when the bow is at rest. More than one Cable Guard Damper can be used.

Cable Guard Damper

Limb Band

X TECHNOLOGY

The X Technology bows come with many unique features that will enhance your archery experience.

ISL Pocket

INDEPENDENT SPLIT LIMB POCKET SYSTEM

Some X Technology bows are equipped with independent split limb (ISL) pockets. If servicing a bow with ISL pockets refer to the instruction sheet that came with the bow or visit www.pse-archery.com.

Do not make any adjustment to this system without referring to the instructions.

MAINTENANCE

Your bow is a mechanical device that is subject to wear and therefore must be inspected periodically and given the proper adjustments and service. It is recommended that this service be performed at least once a year by an authorized PSE dealer. All components, including string, cables, axles, e-clips, limbs and riser should be carefully inspected for damage or wear.

STRINGS AND CABLES

Apply a light coat of high quality bowstring wax to your string and cable each time you shoot your bow. It is especially important NOT to wax the area of the string that wraps around the idler wheel. This area of the string should be treated with a cam lubricant. This will help reduce wear on your string and cables. Inspect the string and cables regularly and replace them when there is evidence of wear, every 5000 shots or every 12 months.

USING A BOW PRESS

ALL X Technology bows MUST be serviced in an approved bow press and require special consideration. Do not attempt to service these bows in any bow press without reviewing the procedures described herein.

Use of a non-approved bow press or improper use of an approved bow press WILL result in damage to the bow and possible personal injury. Damages incurred by improper use or maintenance will not be covered under the warranty. See the PSE website for a list of approved bow presses www.pse-archery.com

There are two basic types of approved presses available: compression-type and pull-type.

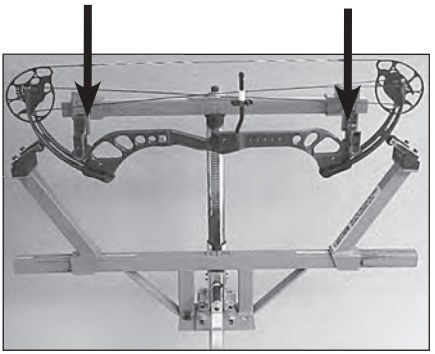
COMPRESSION-TYPE BOW PRESS:

This type of press pushes in a horizontal direction against the tips of the limbs. No other support for the bow is required.

When using a press of this type, back each limb bolt out 4 turns from the bottom setting, position the bow in the press and crank press inward to apply a compression force against the limb tips as shown.

COMPRESSION FORCE

Compress ONLY far enough to loosen the string and cables. Over compressing could break the limbs and cause personal injury. Any damages incurred from over-compressing will not be covered under warranty.



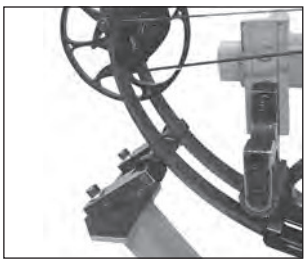
PULL-TYPE PRESS:

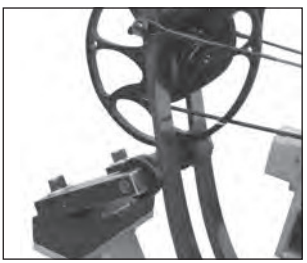
This type of press pulls the riser of the bow in a vertical direction between rollers that compress the limbs.

When using this type press it is very important to position the rollers and pressure points correctly.

Back the limb bolts out 4 turns from the bottom setting and position the pressure points on the riser as close to the limbs as possible WITHOUT making contact with the limbs as shown in the photo. The pressure points must not contact the limbs at any time during servicing.

Position the limb rollers outward on the limbs so that when the riser is pulled down the bow does not slip through/between the rollers before releasing tension on the string and cables. The rollers must be at least 4" from the limb pockets or the limbs will break. While placing tension on the limbs, BE VERY CAREFUL NOT TO PULL THE RISER DOWN TOO FAR. DEFLECT THE LIMBS JUST ENOUGH TO REMOVE THE STRING AND CABLES.
Never allow the rollers to go past the belly (thinnest part) of the limb.





Service such as peep and vibration damper installation and string replacement can be performed with a Pocket Press portable bow press (item #01169) available from your local PSE dealer. Item #01170 and #01031 are pocket presses also available for alternate axle-to-axle lengths.

IMPORTANT

WARRANTY REGISTRATION

THIS FORM MUST BE RECEIVED BY PSE WITHIN 30 DAYS OF PURCHASE TO ACTIVATE WARRANTY

SERIAL # OF BOW _____

BOW MODEL _____

NAME _____

ADDRESS _____

ADDRESS _____ APT _____

CITY _____ STATE _____

COUNTRY _____ POSTAL CODE _____

EMAIL ADDRESS _____

DATE PURCHASED ____ / ____ / ____ PHONE ( ) _____

REGISTRATION

Fill out this form completely, remove it, and mail to:

PSE WARRANTY REGISTRATION
P.O. Box 5487
Tucson, AZ 85703

You can also register online at www.pse-archery.com/registration

THANK YOU FOR SELECTING PSE

ACT NOW ON THIS ONE-TIME OFFER:

Buy any TWO of these exciting PSE DVDs and receive a FREE cap!

CAP STYLE SHOWN MAY VARY

$18.99

In the event the DVD or the hat you are ordering is no longer available the product will be substituted with a like item.

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From Florida to California PSE is hunt'n the Wild Boar. – DVD

HOLDING STEADY
Learn to really aim your bow. – DVD

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Bowhunting around the world! Polar bear, lion, elephant, crocodile, leopard, brown bear and more. – DVD

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- ☐ DANGEROUS GAME DVD 41349
- ☐ HOLDING STEADY DVD 41302

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Daytime Phone (_____) _____

☐ AMEX ☐ MC ☐ DISC ☐ VISA

CREDIT CARD NUMBER _____ Exp _____

OR INCLUDE CHECK OR MONEY ORDER

SIGNATURE _____

Mail to: PSE P.O. Box 5487 Tucson, AZ 85703

PSE ARCHERY

Sorry, available to US residents only.

	$ 18.99
Shipping & Handling	$ 3.95
Total (non-AZ residents)	$ 22.94
AZ residents add	$ 1.32
Total (AZ residents)	$ 24.26

LIMITED LIFETIME WARRANTY

ALL PSE MANUFACTURED BOWS / ACCESSORIES / KING PRODUCTS

Each PSE Bow is backed by a PSE Limited Lifetime Warranty to the original owner for the life of the product. Product will be replaced or repaired to restore it to its original performance. Cables, strings, or wearable items are not covered by this warranty.

Evidence of abuse, mishandling, misuse, or alteration to any PSE product voids any claim to warranty. PSE specifications on strings and harnesses must be adhered to.

PSE cannot be held responsible for injury or product failure resulting from improper use or neglect of maintenance.

All bows must undergo string and cable changes every 5,000 shots or every 12 months to maintain PSE warranty coverage. Total arrow weight must be in accordance with the recommendations made by the Archery Trade Association (ATA) for minimum arrow weight/bow peak weight. Overstressing PSE compound bows by using arrows lighter than ATA recommendation will void warranty and may cause damage to the bow or injury to the shooter.

PSE makes no other claims either expressed or implied. In the interest of product improvement and consumer safety, PSE reserves the right to make changes in product design, color, and specifications without notice.

REMOVING THE DATA LABEL FROM THE BOTTOM LIMB OF THE BOW MAY VOID THE WARRANTY.

PATENT INFORMATION

One or more of the following patents may apply:
MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING PATENTS:
4,078,538, 4,103,667, 4,185,374, 4,449,303, 4,489,705, 4,649,889, 4,660,537, 4,686,955, 4,697,350, 4,735,667, 4,739,744, 4,748,962, 4,762,112, 4,774,927, 4,909,231, 4,967,721, 5,005,554, 5,020,507, 5,040,520, 5,054,462, 5,123,396, 5,190,022, 5,241,945, 5,243,958, 5,280,779, 5,301,651, 5,307,787, 5,335,644, 5,339,790, 5,365,650, 5,377,658, 5,469,834, 5,487,373, 5,495,843, 5,507,270, 5,657,739, 5,678,529, 5,762,060, 5,960,778, 6,112,732, 6,176,231, 6,360,735, 6,493,951, 6,792,930, 6,889,683, 6,968,837, RE36,942, D429,309, D503,958, D528,625, 7,347,196

LICENSED UNDER:
4,241,715, 4,300,521, 4,368,718, 4,515,142, 4,519,374, 4,957,094, 5,141,689, 5,368,006, 5,392,756, 5,479,712, 5,501,208, 5,505,185, 5,782,229, 5,809,982, 5,894,835, 5,914,775, 6,237,584, 6,499,478, 6,588,411, 6,601,308, 6,966,314

NOTES

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